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(54) Title: ORGANOGENIC TRANSFORMATION AND REGENERATION

(57) Abstract: This invention provides methods of transforming organogenic plant cells and regenerating plants from transformed cells.

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# INTERNATIONAL SEARCH REPORT

International application No.

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : A01H 5/00; C12N 15/ 29, 15/31, 15/52, 15/82 US CL : 435/419; 800/292, 293, 294, 298; 536/23.1, 23.2, 23.6 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 435/419; 800/292, 293, 294, 298; 536/23.1, 23.2, 23.6 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,952,543 A (FIROOZABADY et al) 14 September 1999 (14.09.1999), column 4, lines 16-43; column 7, lines 44-53; and columns 11-26, especially the claims.	1-2,4-13,15,17-22,24-28,30-39,41,43-51,53-54
X	US 6,194,639 B1 (BOTELLA et al) 27 February 2001 (27.02.2001), columns 10-14 and 27-28.	1-2,4-12,16-22,24-27,29-39,42-51
X	HAJDUKIEWICZ P. et al. Multiple pathways for Cre/lox-mediated recombination in plastids. The Plant Journal. 2001, Vol. 27, No. 2, pp. 161-170; see Abstract lines 12-14; page 165 column 2, lines 1-6; and page 168, under section Growth of plants and selection for transformants.	1,3,14,26,27,29,40
X	US 6,429,356 B1 (SHEWMAKER) 06 August 2002 (06.08.2002), columns 5-6 and 27-34.	1,18,23,26,47,52
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "B" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 29 July 2004 (29.07.2004)		Date of mailing of the international search report <b>24 AUG 2004</b>
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 872-9306		Authorized officer Russell Kallis <i>[Signature]</i> Telephone No. (571) 272-1600

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**Continuation of B. FIELDS SEARCHED Item 3:**  
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